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PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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|  |  |   |  |
|--|--|---|--|
| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b>              |  | <b>Attorney Docket No.</b> 18989-029                                      |  |
|  |  | <b>First Inventor</b> Kullervo H. Hynynen, et al.                         |  |
|  |  | <b>Title</b> HARMONIC MOTION IMAGING                                      |  |
| (Only for new nonprovisional applications under 37 C.F.R. 1.53(b)) |  | <b>Express Mail Label No.</b> EV231273870US-Date of Deposit, July 2, 2003 |  |

**APPLICATION ELEMENTS**

*See MPEP chapter 600 concerning utility patent application contents.*

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
*(Submit an original and a duplicate for fee processing)*

2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.

3. ☒ Specification [Total Pages 20]  
*(preferred arrangement set forth below)*

- Descriptive title of the Invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C.113) [Total Sheets 10]

5. Oath or Declaration Total Pages 3

a. ☒ Newly executed (original or copy)

b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
*(for a continuation/divisional with Box 18 completed)*

i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6. ☐ Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:**

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program *(Appendix)*

8. Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all necessary)*

a. ☐ Computer Readable Form (CRF)

b. Specification Sequence Listing on:

i. ☐ CD-ROM or CD-R (2 copies); or

ii. ☐ paper

c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATIONS PARTS**

9. ☐ Assignment Papers (cover sheet & document(s))

10. ☐ 37 C.F.R. §3.73(b) Statement ☐ Power of Attorney  
*(when there is an assignee)*

11. ☐ English Translation Document *(if applicable)*

12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations

13. ☐ Preliminary Amendment

14. ☒ Return Receipt Postcard (MPEP 503)  
*(Should be specifically itemized)*

15. ☐ Certified Copy of Priority Document(s)  
*(if foreign priority is claimed)*

16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.

17. ☐ Other:

18. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation    ☐ Divisional    ☐ Continuation-in-part (CIP)


of prior application No: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Group / Art Unit: \_\_\_\_\_

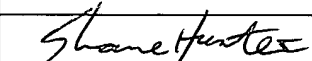
**For CONTINUATION or DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**17. CORRESPONDENCE ADDRESS**

☒ Customer Number or Bar Code Label

  
30623  
PATENT TRADEMARK OFFICE  
(Insert Customer No. or Attach bar code label here)

or ☐ Correspondence address below

|                          |   |                                  |              |
|--------------------------|---|----------------------------------|--------------|
| <b>Name (Print/Type)</b> | Shane H. Hunter, Esq.   | <b>Attorney Registration No.</b> | 41,858       |
| <b>Signature</b>         |  | <b>Date</b>                      | July 2, 2003 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

01576 U.S. PTO  
07/02/03

# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

Complete if Known

TOTAL AMOUNT OF PAYMENT (\$ 375

Application Number N/A  
Filing Date July 2, 2003  
First Named Inventor Kullervo H. Hynynen  
Examiner Name N/A  
Group / Art Unit N/A  
Attorney Docket No. 18989-029

## METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit  
Account  
Number

50-0311

Deposit  
Account  
Name

Mintz, Levin, Cohn, Ferris, Glovsky and  
Popeo, P.C.

- ☐ Charge Any Additional Fee Required  
Under 37 CFR 1.16 and 1.17  
☒ Applicant claims small entity status.  
See 37 CFR 1.27

2. ☒ Payment Enclosed:

- ☒ Check ☐ Credit card ☐ Money  
Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

| Large<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Small<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Fee Description        | Fee Paid |
|----------------------|-----------------------|----------------------|-----------------------|------------------------|----------|
| 101                  | 740                   | 201                  | 370                   | Utility filing fee     | 375      |
| 106                  | 330                   | 206                  | 165                   | Design filing fee      |          |
| 107                  | 510                   | 207                  | 255                   | Plant filing fee       |          |
| 108                  | 740                   | 208                  | 370                   | Reissue filing fee     |          |
| 114                  | 160                   | 214                  | 80                    | Provisional filing fee |          |

SUBTOTAL (1)

(\$ 375

### 2. EXTRA CLAIM FEES

|                       |    |        |   |   |   |   |   |   |
|-----------------------|----|--------|---|---|---|---|---|---|
| Total Claims          | 20 | -20 ** | = | 0 | X | 9 | = | 0 |
| Independent<br>Claims | 3  | -3 **  | = | 0 | X | 0 | = | 0 |
| Multiple<br>Dependent |    |        |   |   | X |   | = | 0 |

| Large<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Small<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Fee Description  |
|----------------------|-----------------------|----------------------|-----------------------|--|
| 103                  | 18                    | 203                  | 9                     | Claims in excess of 20                                     |
| 102                  | 84                    | 202                  | 42                    | Independent claims in excess of 3                          |
| 104                  | 280                   | 204                  | 140                   | Multiple dependent claim, if not paid                      |
| 109                  | 84                    | 209                  | 42                    | ** Reissue independent claims over original patent         |
| 110                  | 18                    | 210                  | 9                     | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2)

(\$ 0

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

| Large<br>Entity<br>Fee<br>Code | Large<br>Entity<br>Fee<br>(\$) | Small<br>Entity<br>Fee<br>Code | Small<br>Entity<br>Fee<br>(\$) | Fee Description  | Fee Paid |
|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--|----------|
| 105                            | 130                            | 205                            | 65                             | Surcharge - late filing fee or oath  |          |
| 127                            | 50                             | 227                            | 25                             | Surcharge - late provisional filing fee or cover sheet.                    |          |
| 139                            | 130                            | 139                            | 130                            | Non-English specification  |          |
| 147                            | 2,520                          | 147                            | 2,520                          | For filing a request for reexamination                                     |          |
| 112                            | 920*                           | 112                            | 920*                           | Requesting publication of SIR prior to Examiner action                     |          |
| 113                            | 1,840*                         | 113                            | 1,840*                         | Requesting publication of SIR after Examiner action                        |          |
| 115                            | 110                            | 215                            | 55                             | Extension for reply within first month                                     |          |
| 116                            | 400                            | 216                            | 200                            | Extension for reply within second month                                    |          |
| 117                            | 920                            | 217                            | 460                            | Extension for reply within third month                                     |          |
| 118                            | 1,440                          | 218                            | 720                            | Extension for reply within fourth month                                    |          |
| 128                            | 1,960                          | 228                            | 980                            | Extension for reply within fifth month                                     |          |
| 119                            | 320                            | 219                            | 160                            | Notice of Appeal   |          |
| 120                            | 320                            | 220                            | 160                            | Filing a brief in support of an appeal                                     |          |
| 121                            | 280                            | 221                            | 140                            | Request for oral hearing   |          |
| 138                            | 1,510                          | 138                            | 1,510                          | Petition to institute a public use proceeding                              |          |
| 140                            | 110                            | 240                            | 55                             | Petition to revive - unavoidable   |          |
| 141                            | 1,280                          | 241                            | 640                            | Petition to revive - unintentional   |          |
| 142                            | 1,280                          | 242                            | 640                            | Utility issue fee (or reissue)   |          |
| 143                            | 460                            | 243                            | 230                            | Design issue fee   |          |
| 144                            | 620                            | 244                            | 310                            | Plant issue fee  |          |
| 122                            | 130                            | 122                            | 130                            | Petitions to the Commissioner  |          |
| 123                            | 50                             | 123                            | 50                             | Processing fee under 37 CFR 1.17 (q)                                       |          |
| 126                            | 180                            | 126                            | 180                            | Submission of Information Disclosure Stmt                                  |          |
| 581                            | 40                             | 581                            | 40                             | Recording each patent assignment per property (times number of properties) |          |
| 146                            | 740                            | 246                            | 370                            | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 149                            | 740                            | 249                            | 370                            | For each additional invention to be examined (37 CFR § 1.129(b))           |          |
| 179                            | 740                            | 279                            | 370                            | Request for Continued Examination (RCE)                                    |          |
| 169                            | 900                            | 169                            | 900                            | Request for expedited examination of a design application                  |          |

Other fee (specify) \_\_\_\_\_

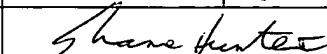
\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 0

## SUBMITTED BY

Complete (if applicable)

|                   |   |                                  |        |           |              |
|-------------------|---|----------------------------------|--------|-----------|--------------|
| Name (Print/Type) | Shane H. Hunter   | Registration No. Attorney/Agent) | 41,858 | Telephone | 617-348-1765 |
| Signature         |  |                                  |        | Date      | July 2, 2003 |